

APR 09 2004

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FROM: Winston Hsu, PATENT AGENT, REG. NO. : 41,526

SERIAL NO.: 10/604,292

ATTORNEY DOCKET NO.: HTCP0009USA

SUBJECT: INFORMATION DISCLOSURE STATEMENT

TOTAL PAGES: 12 PAGES (INCLUDING COVER PAGE)

Winston Hsu 2004/04/09

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PTO/SB/97 (08-00)
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APPLICATION NUMBER: 10/604,292

PAPERS INCLUDED:

(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Information Disclosure Statement	8 PAGES

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/604,292	
	Filing Date	07/09/2003	
	First Named Inventor	JUNG-YUAN TSAI	
	Art Unit	2857	
	Examiner Name		
Total Number of Pages in This Submission	10	Attorney Docket Number	HTCP0009USA

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Winston Hsu, Reg. No.: 41,526
Signature	<i>Winston Hsu</i>
Date	4/9/2004

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number 10/604,292
Filing Date 07/09/2003
First Named Inventor JUNG-YUAN TSAI
Examiner Name
Art Unit 2857
Attorney Docket No. HTCP0009USA

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	2812 2,520	For filing a request for ex parte reexamination	
1804 920*	2804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	2805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 980	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	2451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	2460 130	Petitions to the Commissioner	
1807 50	2807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	2808 180	Submission of Information Disclosure Stmt	
8021 40	28021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	2802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

Name (Print/Type) Winston Hsu Registration No. 41,526 Telephone 886289237350
Signature *Winston Hsu* Date 4/9/2004

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Cite No. 1.
OFFICIALPATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

5 Applicants: Jung-Yuan Tsai,
Wan-Ting Tsai

Filing Date: 07/09/2003

Art Unit: 2857

Application No.: 10/604,292

Docket No.: HTCP0009USA

10

Title: AUTOMATICALLY TURNING ON A PORTABLE DEVICE BY
DETECTING A BATTERY CONDITION

To: Commissioner of Patents
15 P.O. BOX 1450
Alexandria, VA 22313-1450

Subject: Information disclosure statement Under 37C.F.R. §1.56.

20

Dear Sir:

This is an Information Disclosure Statement in accordance with the duty to
disclose information material to patentability under 37 C.F.R. §1.56. The applicants
25 wish to make of record each of the documents listed on the accompanying form
PTO/SB/08. It is respectfully requested that the Examiner initials each of the cited
references on the form and that it be made of record in the application and that a copy
of the initialed form be sent to the applicants with the next communication from the
Examiner.

30

Since the IDS is filed before the mailing date of a first Office action on the merits,
consideration of the information disclosure statement is hereby requested according to

37C.F.R. §1.97(b). The prior art patent contained in the information disclosure statement was cited in communications from the Taiwan Intellectual Property Office on Feb. 17, 2004. Applicants sincerely hope that the Examiner can consider each of the items contained in the information disclosure statement.

5

According to the requirement set forth in 37C.F.R. §1.98 and M.P.E.P. 609, applicants are submitting copies of the cited reference (Taiwan Patent No. 388555) and a concise explanation of the relevance in this application hereinafter.

10 The purpose of TP No. 388555 is to automatically store data and then shut off the power of the device for protecting the device and data after detecting that the battery cover is removed from the battery compartment. In view of Fig. 1, the battery cover 16 is latched on the housing 12. In this state, the battery cover 16 presses the spring contact 22 of the sensor 18; that is, the end 24 of the spring contact 22 pushes the
15 conductive rubber 26 forward to contact the circuit 28. Therefore, the control module 20 can detect whether the battery cover 16 is properly latched to the housing 12. In view of Fig. 2, the battery cover 26 is removed from the battery compartment 14. Therefore, the conductive rubber 26 no longer contacts the circuit 28. In this case, the control module 20 automatically stores data of the device 10 and then shuts off the
20 device to avoid losing the data. Fig. 3 is another embodiment of the sensor 18. It differs from Figs. 1 and 2 only in the physical structure of the sensor 18. However it is implemented for the same purpose as Figs. 1 and 2.

Claim 1 of the present invention is repeated below.

25

1. A portable device comprising:

- a housing for accommodating a detachable battery, the detachable battery providing main power for operations of the portable device;
- a sensor installed in the housing for detecting conditions of the
30 detachable battery;
- an operating processor for controlling operations of the portable device; and

5 a starting module electrically connected to the sensor for
 outputting a turn-on signal to the operating processor so as
 to automatically turn on the portable device after the sensor detects
 the detachable battery being correctly installed in the
 housing.

 Compared with TP No. 388555, the portable device disclosed in claim 1 comprises a
starting module electrically connected to the sensor for outputting a
turn-on signal to the operating processor so as to automatically turn on the
10 portable device after the sensor detects the detachable battery being
correctly installed in the housing. However, the starting module is not
disclosed in TP No. 38855. In TP No. 388555, it only teaches that the control module
automatically saves unsaved data of the device before the device is turned off after the
sensor detects that the battery cover is removed from the battery compartment. This
15 therefore believed that the portable device of claim 1 of the present invention is
substantially different from the teaching disclosed in TP No. 388555.

 Claims 12 of the present invention is repeated below.

- 20 12. A portable device that can be automatically turned on by detecting conditions of a
battery, which is detachably installed in the portable device for providing main
power for operations of the portable device, the portable device comprising:
 a housing for accommodating the battery, the housing comprising a
 battery vessel and a battery cover plate, wherein the battery
25 cover plate is detachably joined with the battery vessel for
conveniently replacing the battery installed in the battery
vessel;
 a sensor installed in the housing for detecting conditions of the
battery cover plate and the battery to determine if the battery is
30 correctly installed the battery vessel and the battery cover plate
is correctly joined with the battery vessel;
 an operating processor for controlling operations of the portable

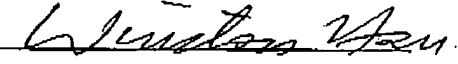
device; and

5 a starting module electrically connected to the sensor for outputting a turn-on signal to the operating processor to automatically turn on the portable device after the battery is correctly installed in the battery vessel and the battery cover plate is correctly joined with the battery vessel.

10 Claim 12 of the present invention is another device claim similar to claim 1 of the present invention. The starting module of claims 12 is not taught in TP No. 388555, either.

15 Since the prior art patent TP No. 388555 is substantially different from the claim 1 and claim 12 of the present application, and all other claims are dependent on either claim 1 or claim 12, the cited art fails to read on any of the claims of the present application.

Respectfully Submitted,

20  Date: 4/9/2004
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25 (Please contact me by e-mail if you need a telephone communication and I will return your call promptly.)